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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/069,466	05/21/2002	Fernando De La Puente Arrate	P/4043-23	3256
2352	7590	11/15/2005	EXAMINER TO, BAO TRAN N	
OSTROLENK FABER GERB & SOFFEN 1180 AVENUE OF THE AMERICAS NEW YORK, NY 100368403			ART UNIT 2135	PAPER NUMBER

DATE MAILED: 11/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/069,466	Applicant(s) DE LA PUENTE ARRATE ET AL.	
	Examiner Bao Tran N. To	Art Unit 2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05/21/2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>02/20/02 & 05/21/02</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-19 have been examined.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 02/20/2002 and 05/21/2002. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 3, 5, 7, 10-13 and 15-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Houvener (U.S. Patent 6,424,249 B1) hereinafter Houvener.

Regarding on Claims 1 and 7, Houvener discloses an external signing device for a PC with an optical data input via the monitor, immediately applicable to e-banking and e-commerce or to any other system based on electronic signatures which requires a

high security with a relatively low quantity of data to be signed (Figure 1), characterized in that said device includes

an optical system (terminal 1) for receiving the data from a computer monitor (input device 9) (col. 4, lines 45-65),

an alphanumerical (display 6) for showing the data to be signed (col. 4, lines 50-55),

a keyboard (keypad 5) for user interaction with the device (col. 4, lines 50-55) and

a signing system meant to process the operations of signing the data received (col. 6, lines 10-30).

Regarding on Claim 3, Houvener discloses the limitations of Claim 1 above. Houvener further discloses it cannot be re-programmed, and in that it is activated by entering a personal identification number (col. 7, lines 30-40).

Regarding on Claims 5, 13 and 18, Houvener discloses the limitations of Claim 1 above. Houvener further discloses characterized by the incorporation of an abbreviated signature generation algorithm of the symmetrical encryption type with the same key used to encode and decode, with the signature consisting of a subset of the bits generated by the encryption process, carrying out the signature verification process encrypting the data again and comparing the signature bits with the corresponding ones generated in the verification process, and with the signature encoded as 6-bit subsets

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so that it can be mapped onto a subset of printable ASCII characters (col. 9, lines 5-20, col. 14, lines 35-40, and col. 35, lines 5-40).

Regarding on Claims 10 and 15, Houvener discloses the limitations of Claim 7 above. Houvener further discloses wherein said device is programmable and not re-programmable, and wherein said device is activated by entering a personal identification number (col. 7, lines 30-40).

Regarding on Claims 11 and 16, Houvener discloses the limitations of Claim 7 above. Houvener further discloses wherein said display further displays a signature for said signing system wherein said signature is generated by an encryption algorithm (col. 10, lines 25-45).

Regarding on Claims 12 and 17, Houvener discloses the limitations of Claim 11 above. Houvener further discloses wherein said encryption algorithm generates one key to sign said output and to verify said signature, and wherein said signed output includes at least one alphanumeric character (col. 10, lines 30-60).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4, 6, 11, 14 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Houvener as applied to claims 1 and 7 above, and further in view of Drummond et al. (U.S. Patent 6,505,177 B1) hereinafter Drummond.

Regarding on Claim 4, Houvener discloses the limitations of Claim 1 above. Houvener further discloses it can show the signature on the display so that it can be copied to the destination device (col. 5, lines 60-67), but fails to disclose "said signature being generated by an encryption algorithm which uses the same key to sign and to verify said signature, so that the documents to be signed may contain any alphanumerical character and so that the data to be signed can be entered with a keyboard, and so that the user can view all messages in several languages."

However, Drummond explicitly discloses said signature being generated by an encryption algorithm which uses the same key to sign and to verify said signature, so that the documents to be signed may contain any alphanumerical character and so that the data to be signed can be entered with a keyboard, and so that the user can view all messages in several languages (col. 24, lines 4-67).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the Drummond's invention with Houvener to include the encryption messages and view messages in several languages. It would have been motivated to allow to minimize the risk of interception of the messages when foreign users use the ATM machine with several languages (col. 24, lines 30-50).

Regarding on Claims 6, 14 and 19, Houvener discloses the limitations of Claims 1 and 7 above. Drummond further discloses one of several signature keys can be chosen (col. 7, lines 30-50), but fails to disclose one of several currencies can be chosen for the monetary amounts of the documents to be signed and one of several languages can be chosen for presenting the messages to the user.

However, Drummond discloses one of several currencies can be chosen for the monetary amounts of the documents to be signed and one of several languages can be chosen for presenting the messages to the user (col. 24, lines 20-67).

Therefore, It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the Houvener's invention to include the several currencies and languages. It would have been motivated to provide the several languages for foreign users comfortably when they use the ATM machine (col. 10, lines 30-50).

5. Claims 2 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Houvener as applied to claims 1 and 7 above and further in view of Hacker et al. (U.S. Patent 5,598,487) hereinafter Hacker.

Regarding on Claims 2 and 8-9, Houvener discloses the limitations of Claims 1 and 7 above. Houvener does not disclose "an area is defined in the monitor for transmitting data to the optical detector, in which area two sections have been defined, the first of which sends the data and the second sends a synchronization sequence used to distinguish inactive states from transmission of repeated bits with the optical signal reception system further incorporating photo-detectors for detecting the signals sent from the sections in correspondence with the illumination changes of the display device."

However, Hacker expressly discloses an area is defined in the monitor for transmitting data to the optical detector, in which area two sections have been defined, the first of which sends the data and the second sends a synchronization sequence used to distinguish inactive states from transmission of repeated bits, with the optical signal reception system further incorporating photo-detectors for detecting the signals sent from the sections in correspondence with the illumination changes of the display device (Figure 9A-B and col. 7, lines 5-45).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the Hacker's invention with Houvener to include the photo-detectors for detecting the signals sent from the sections in correspondence with the illumination changes of the display device. It would have been motivated to allow the system for receiving the bar code image (col. 7, lines 35-45).

Prior Art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sellers (U.S. Patent 6,054,979) discloses current sensing touchpad for computers and the like.

Cousins et al. (U.S. Patent 6,417,797) discloses system for a multi-purpose portable imaging device and methods for using same.

Kinker et al. (U.S. Patent 3,943,335) discloses automatic banking equipment.

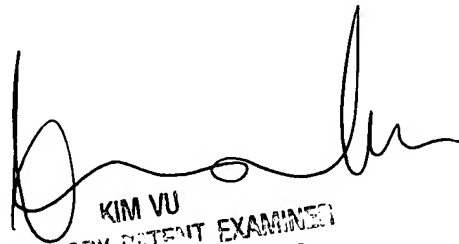
Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bao Tran N. To whose telephone number is 571-272-8156. The examiner can normally be reached on Monday-Friday from 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bao Tran N. To
Patent Examiner
11/11/2005



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